

# Playbook and START

# START Tools



START Tools been produced to ease workloads during Cloud Migrations and to assist System Integrators.

- Pulls together existing Microsoft Tools with an easy to use interface
- Developed in conjunction with Microsoft for System Integrators to use on school sites
- Will be released to the SI community when complete

# START Tools



During the PoC steps were identified that could be assisted with automation.

## Core Focus areas

- Discovery
- Office 365 Deployment
- Office 365 on-going management
- Windows 10 Deployment

# START Tools



## 1) Discovery:

During the PoC it was identified that:

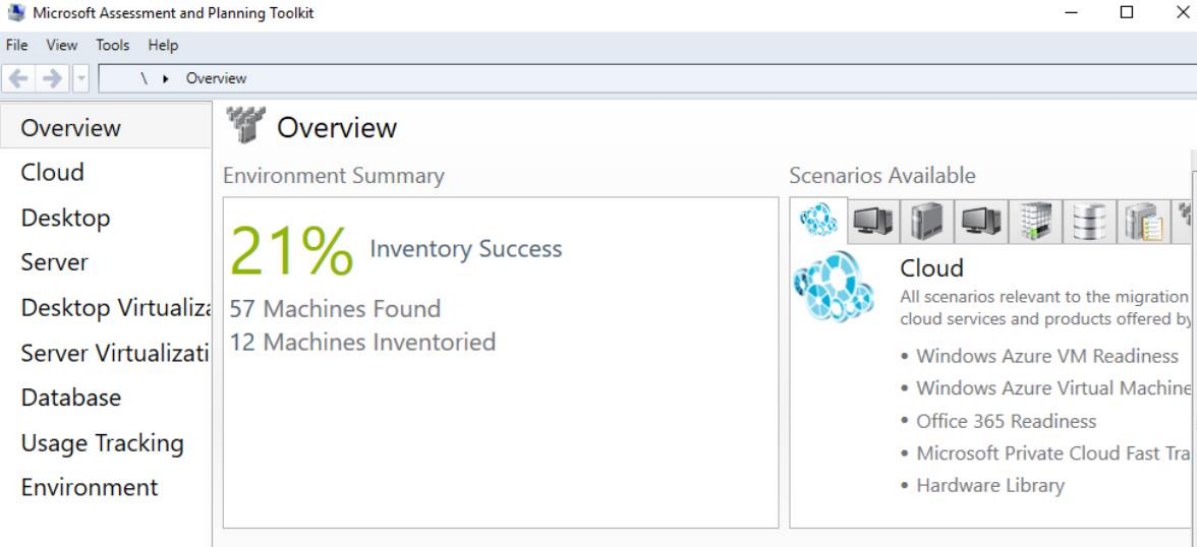
- Schools were unable to list the software they actually used
- Schools do not have a good audit list of IT hardware they have
- Schools using a mix of operating systems  
(Windows XP/Vista/7/8/10, Mac OSX 10.8-10.12)

“Discovery Tool” is being created to assist / compliment manual discovery.

# START Tools



## Discover – Overview / Preparation



# START Tools



## Discover - Results

The screenshot shows the 'Discovery Data Collection Tool' interface. The window title is 'Discovery Data Collection Tool'. The menu bar includes 'File', 'Tools', and 'Help'. The ribbon contains 'Welcome', 'Preparation', 'Data Source', 'Query', 'Office365', 'Azure', and 'DashBoards'. The main content area displays three summary cards:

- Total Unique Applications (All Versions):** 231. Below this, a list of 'Top Applications' is shown, including Bonjour, Google Chrome, PaperCut MF Client 15.3, Microsoft Visual C++ 2012 Redistributable (x64)..., Microsoft Visual C++ 2012 Redistributable (x86)..., Microsoft .Net Framework 3.0 SP2, Microsoft .Net Framework 3.5 SP1, Microsoft .Net Framework 2.0 SP2, FileMaker Pro 15 Advanced, and Microsoft .Net Framework 4.6.
- Total Number of Applications:** 775. Below this, it says 'Total number of Applications Found'.
- Total Number of Clients:** 22. Below this, it says 'Total number of Clients Found' and lists operating systems: Windows XP - 0, Windows Vista - 0, Windows 7 - 11, Windows 8 - 0, Windows 8.1 - 0, Windows 10 - 11, and Unkown Clients - 0.

# START Tools



## 2) Office 365 Deployment START Tool

During the PoC it was identified that:

- Some SI's / in house technicians were not familiar with PowerShell scripts required to populate Office 365 accounts.
- Most SMS (Student Management Systems) do not connect directly to Azure AD.

“Office 365 Tool” is being created to easily automate the creation of Office 365 accounts

# START Tools



## Office 365 Deployment START Tool

Discovery Data Collection Tool

File Tools Help

Welcome Preparation Data Source Query Office365 Azure DashBoards

Office365 User Import

Data Input File Location:

C:\Program Files\Microsoft Services\Discovery Data Collection Tool\Templates\Office365UserTemplate.csv ...

Import CSV

	UserPrincipalName	FirstName	LastName	DisplayName	Password	UsageLocation	AccountSkuld
▶	DemoUser@contoso.onmicrosoft.com	Demo	User	Demo User	P@ssw0rd	NZ	contoso:ENTERPRISEPACK
*							



# START Tools



## 3) Office 365 On-going Management Tool

During the PoC it was identified that:

- On-going creation of student accounts into Office 365 should be managed by school administration (whilst the SMS's create the integration)

This tool is being designed to basically export the students directly from the SMS and import them into Office 365. With an easier to use interface for SI or school administrator to manage.

# START Tools



## 4) Windows 10 Deployment Tool

During the PoC the majority of teacher devices needed to be reloaded to Windows 10. This tool is being created to provide a fast, easy to use deployment tool.

### Operating systems found in PoC schools

Windows XP	5%
Windows Vista	<1%
Windows 7	85%
Windows 8	< 1%
Windows 10	9%

# START Tools



## 4) Windows 10 Deployment Tool

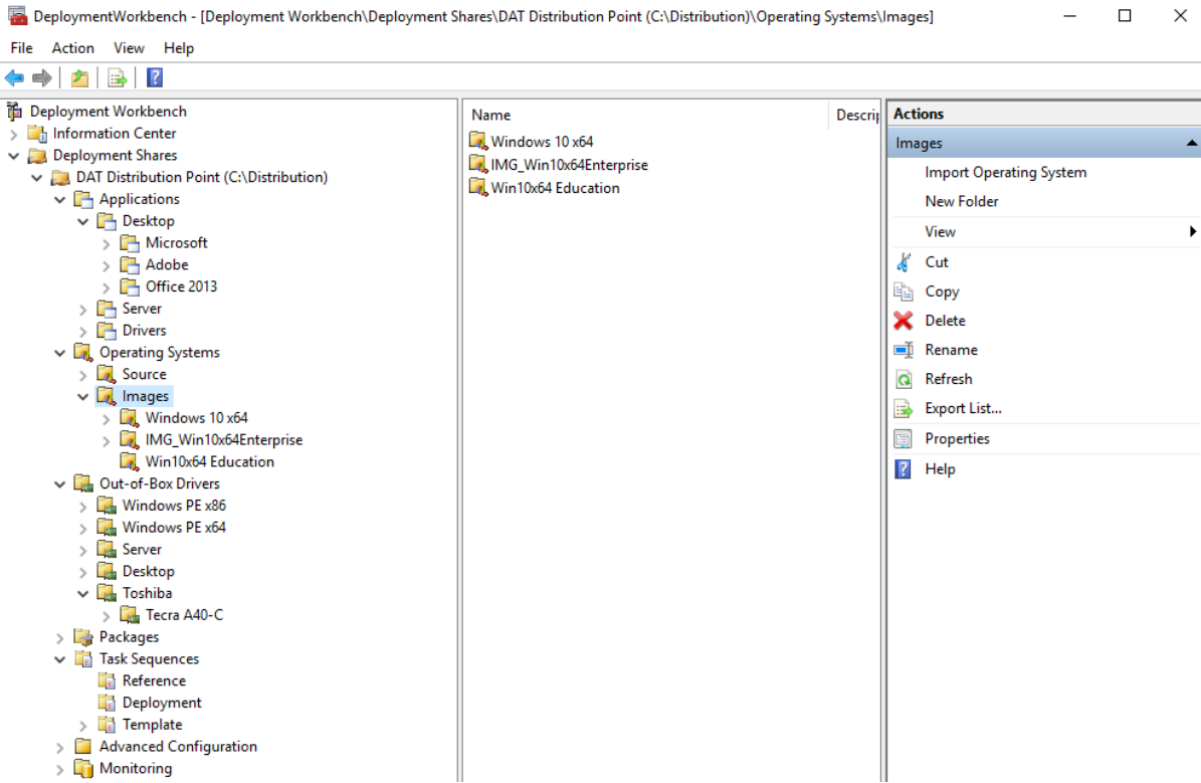
The screenshot shows the 'Deployment Automation Toolkit' application window. The title bar reads 'Deployment Automation Toolkit'. Below the title bar is a menu bar with 'File', 'Tools', and 'Help'. A ribbon contains six tabs: 'Foundation', 'Distribution', 'Applications', 'Systems', 'Drivers', and 'Deployment'. The 'Foundation' tab is selected, showing a large icon of a server rack with a gear and a lightning bolt. Below this icon is a checkbox labeled 'Enable Foundation' which is checked. The main area contains several panels with installation options:

- Microsoft Deployment Toolkit**
  - Install MDT2013
- Support Tools**
  - Install XML Notepad
  - Install Notepad ++
- Windows Deployment Services**
  - Install Windows Deployment Services
    - Stand Alone
    - Domain
- DHCP Service**
  - Install DHCP Service
- Windows Automation Deployment Kit**
  - Install Windows ADK
  - Install Imaging and Configuration Designer
  - Install Application Compatibility Toolkit
  - Install Volume Activation Management
  - Install Windows Performance Toolkit
  - Install Windows Assessment Toolkit
- Firewall Settings**
  - Disable Firewall

# START Tools



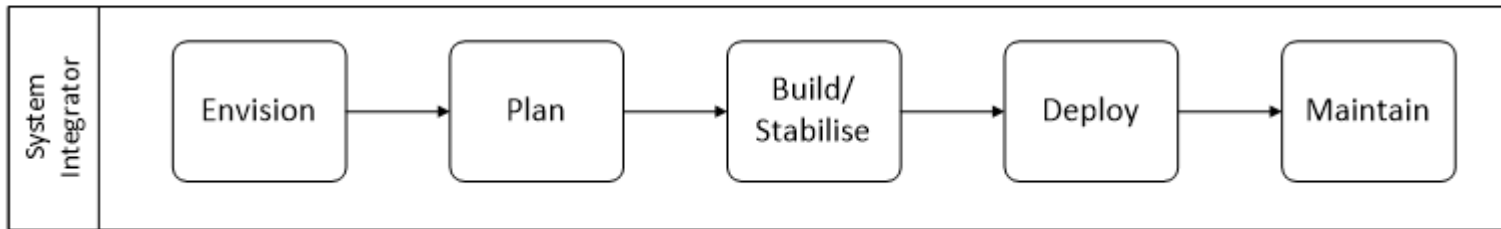
## 4) Windows 10 Deployment Tool



# What is the Playbook?



The playbook contains a number of key phases that address specific stages of a school's cloud migration journey.

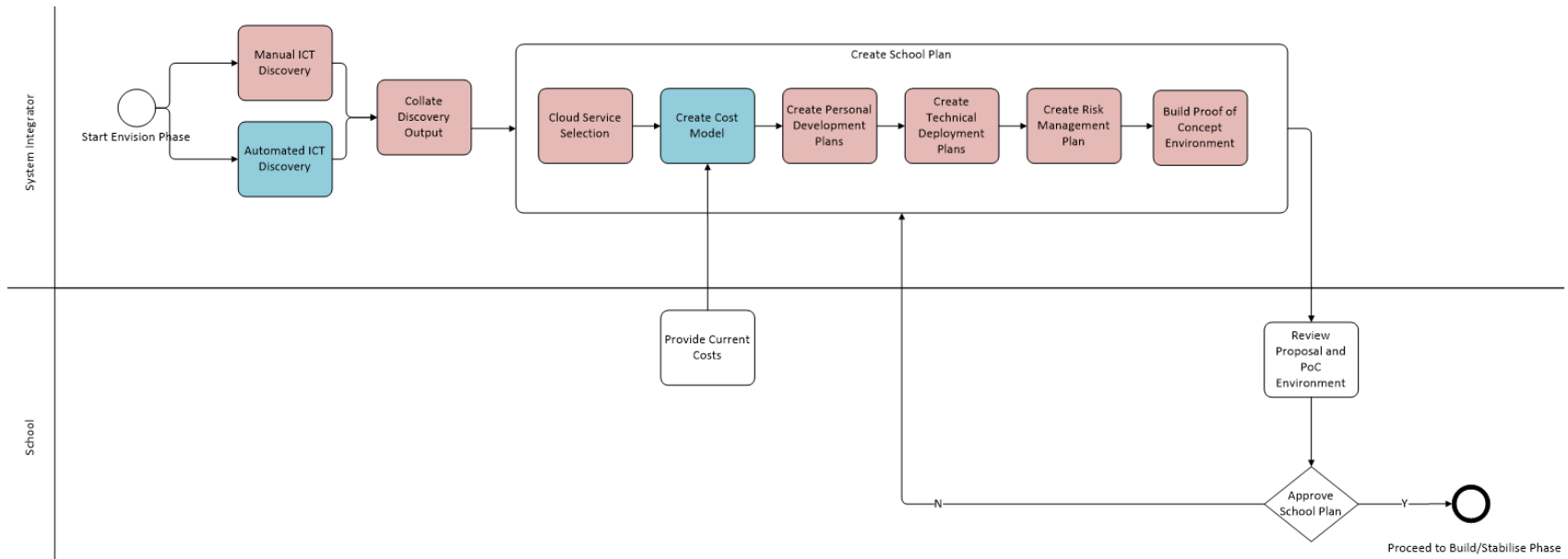


- Processes identified and followed during the PoC
- A suggestion of things to follow for a successful migration

# Example Steps: Plan

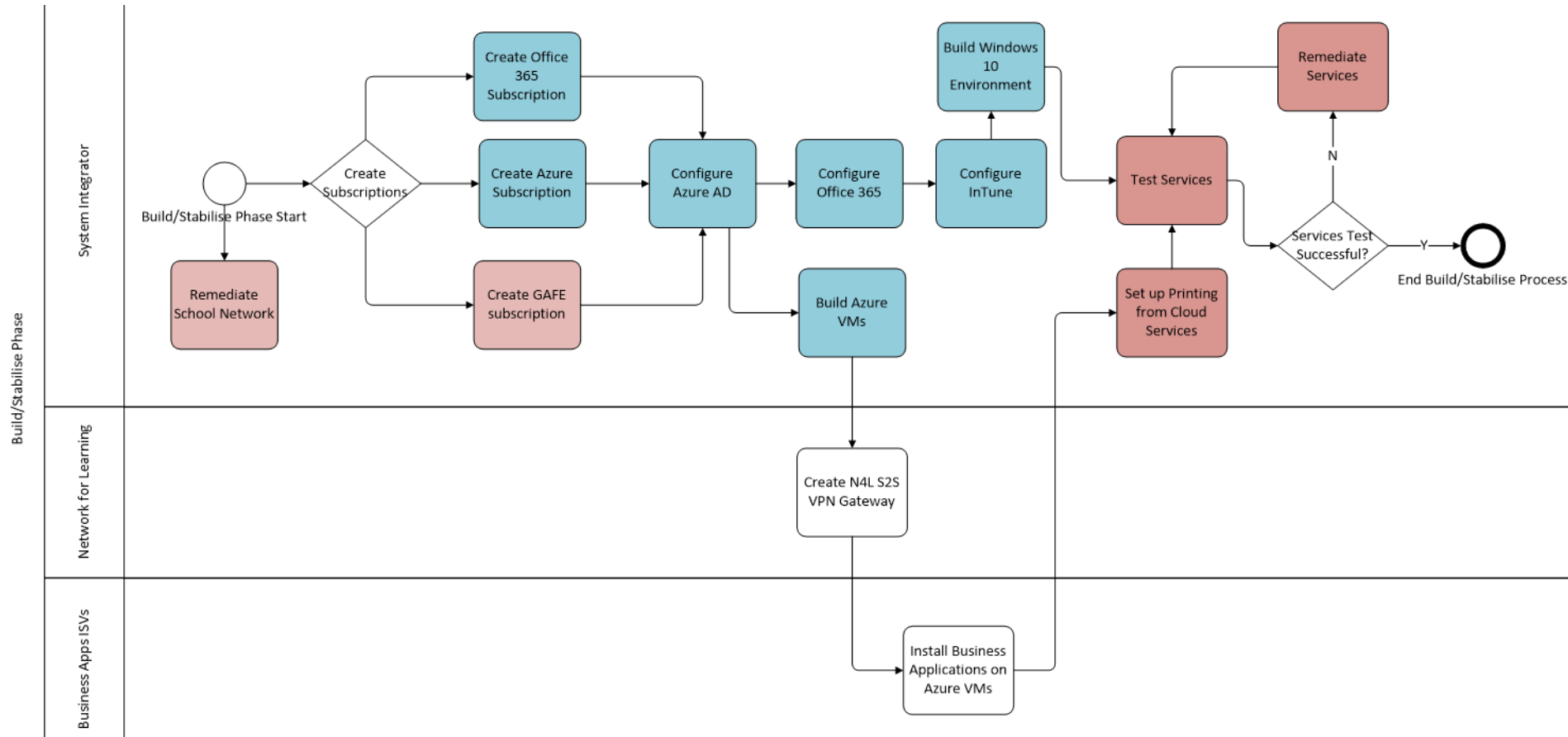


“Planning” steps used in the PoC



# Example Steps: Build & Stabilise

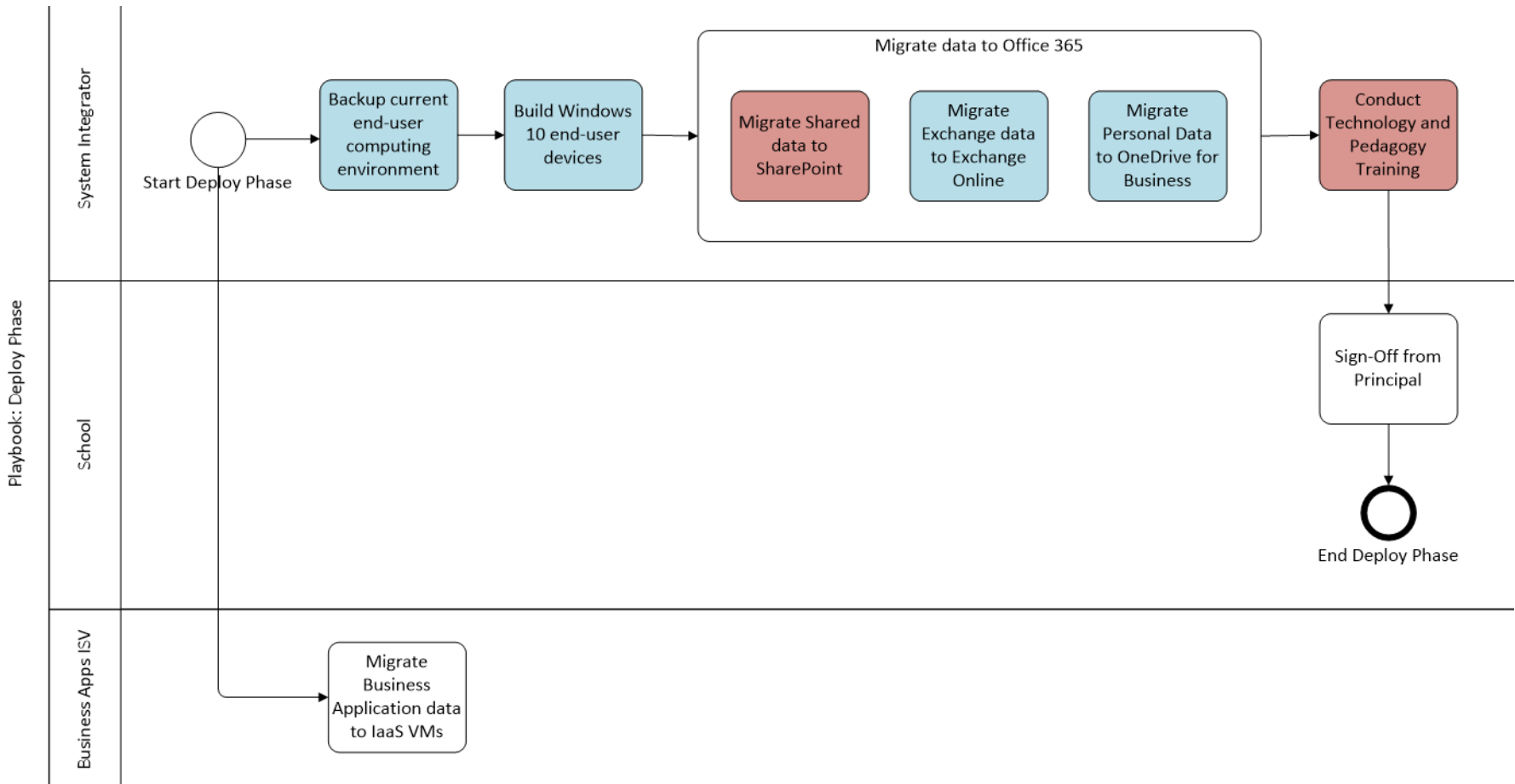
“Build / Stabilise” steps used in the PoC



# Example Steps: Deploy



“Deploy” steps used in the PoC

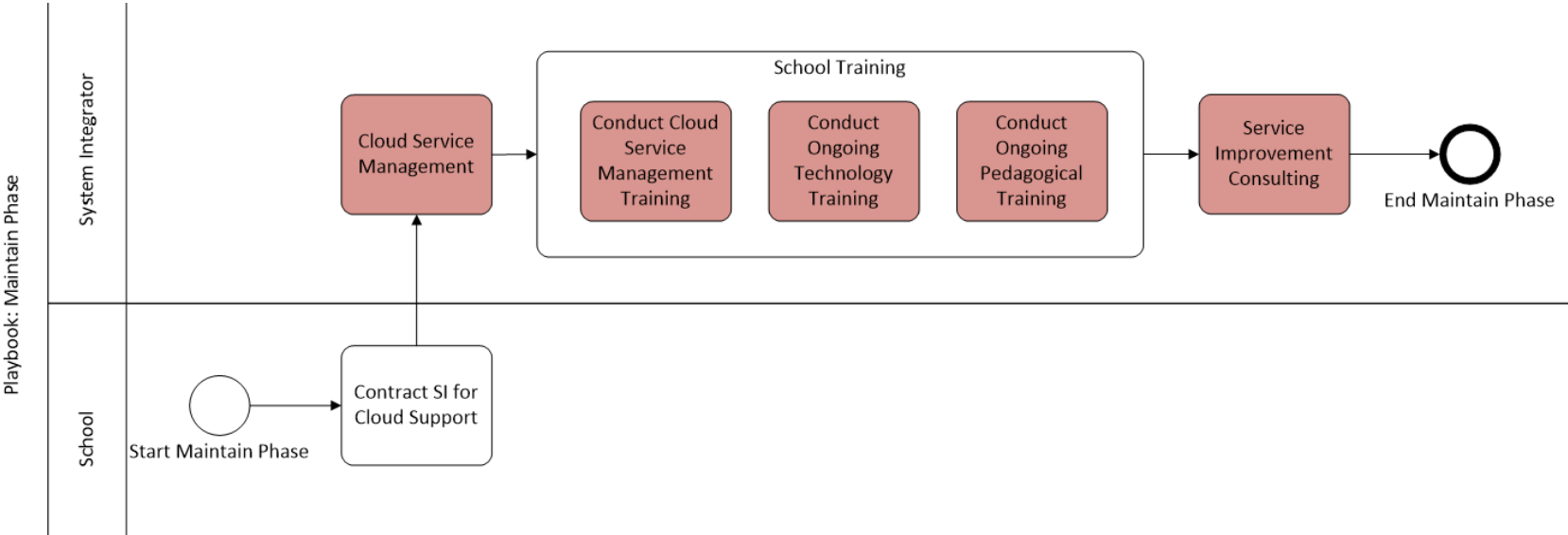




# Example Steps: Maintain



“Maintain” steps used in the PoC



# Summary:



- A high level guide to the steps used during the PoC
- Covers all the steps of the process through planning to deployment and on-going relationship
- Intended as a document to shape your own deployment solutions around
- Used in the eight schools during the PoC

Lifting aspiration and educational  
achievement **for every New Zealander**